

OBJECT POSITION DETECTOR WITH EDGE MOTION FEATURE**Patent number:** JP10505182T**Publication date:** 1998-05-19**Inventor:****Applicant:****Classification:****- International:** G06F3/033; G06F3/03**- european:****Application number:** JP19950509612T 19950901**Priority number(s):** WO1995US11177 19950901; US19940300630
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WO9607966 (A1)

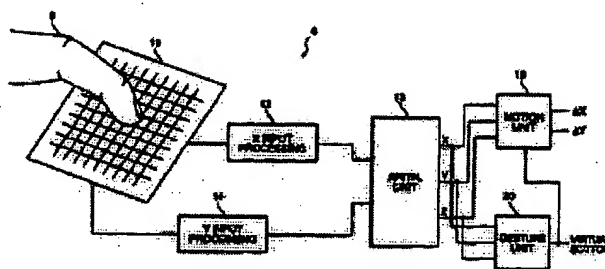
EP0777875 (A1)

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Abstract not available for JP10505182T

Abstract of correspondent: **WO9607966**

A proximity sensor system includes a sensor matrix array having a characteristic capacitance on horizontal and vertical conductors connected to sensor pads. The capacitance changes as a function of the proximity of an object or objects to the sensor matrix. The change in capacitance of each node in both the X and Y directions of the matrix due to the approach of an object is converted to a set of voltages in the X and Y directions. These voltages are processed by circuitry to develop electrical signals representative of the centroid of the profile of the object, i.e., its position in the X and Y dimensions. Noise reduction and background level setting techniques inherently available in the architecture are employed. The speed of the cursor movement depends on the one of the display it resides.



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